



6882029

PTO/SB/21 (09-04)

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|   |                      |                        |             |
|---|----------------------|------------------------|-------------|
| <b>TRANSMITTAL FORM</b><br><br>(to be used for all correspondence after initial filing) | Application Number   | 10/707,221             |             |
|   | Filing Date          | 11/27/2003             |             |
|   | First Named Inventor | Jing-Horng Gau         |             |
|   | Art Unit             | 2815                   |             |
|   | Examiner Name        | FENTY, JESSE A         |             |
| Total Number of Pages in This Submission  | 7                    | Attorney Docket Number | NAUP0550USA |

| ENCLOSURES (Check all that apply)  |  |   |
|--|--|---|
| <input type="checkbox"/> Fee Transmittal Form                                | <input type="checkbox"/> Drawing(s)  | <input type="checkbox"/> After Allowance Communication to TC                            |
| <input type="checkbox"/> Fee Attached  | <input type="checkbox"/> Licensing-related Papers  | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences     |
| <input type="checkbox"/> Amendment/Reply                                     | <input type="checkbox"/> Petition  | <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final   | <input type="checkbox"/> Petition to Convert to a Provisional Application                  | <input type="checkbox"/> Proprietary Information  |
| <input type="checkbox"/> Affidavits/declaration(s)                           | <input type="checkbox"/> Power of Attorney, Revocation<br>Change of Correspondence Address | <input checked="" type="checkbox"/> Status Letter                                       |
| <input type="checkbox"/> Extension of Time Request                           | <input type="checkbox"/> Terminal Disclaimer   | <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):         |
| <input type="checkbox"/> Express Abandonment Request                         | <input type="checkbox"/> Request for Refund  | 1. A copy of the request letter submitted on 03/30/2005                                 |
| <input type="checkbox"/> Information Disclosure Statement                    | <input type="checkbox"/> CD, Number of CD(s) _____   |   |
| <input type="checkbox"/> Certified Copy of Priority Document(s)              | <input type="checkbox"/> Landscape Table on CD   |   |
| <input type="checkbox"/> Reply to Missing Parts/<br>Incomplete Application   | Remarks  |   |
| <input type="checkbox"/> Reply to Missing Parts<br>under 37 CFR 1.52 or 1.53 |  |   |

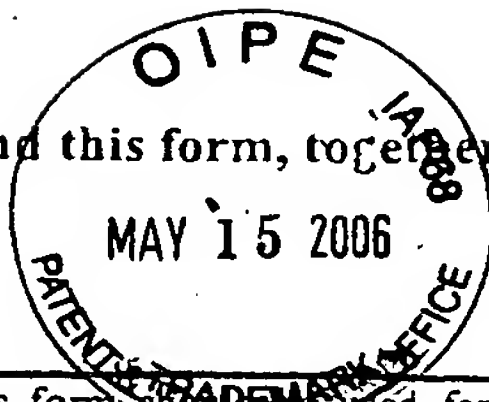
| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT |   |          |        |
|--|---|----------|--------|
| Firm Name                                  | North America Intellectual Property Corporation |          |        |
| Signature                                  | <i>Winston Hsu</i>                              |          |        |
| Printed name                               | Winston Hsu                                     |          |        |
| Date                                       | 05/12/2006                                      | Reg. No. | 41,526 |

| CERTIFICATE OF TRANSMISSION/MAILING   |                    |      |            |
|---|--------------------|------|------------|
| I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below: |                    |      |            |
| Signature   | <i>Janice Chen</i> |      |            |
| Typed or printed name   | Janice Chen        | Date | 05/12/2006 |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Attachment 1  
PART B - FEE(S) TRANSMITTAL



Complete and send this form, together with applicable fee(s), to: **Mail**

**Mail Stop ISSUE FEE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
or Fax (703) 746-4000**

**INSTRUCTIONS:** This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed when appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

027765 7590 12/13/2004

(NAIPC) NORTH AMERICA INTERNATIONAL PATENT  
OFFICE  
P.O. BOX 506  
MERRIFIELD, VA 22116

Note: A certificate of mailing can only be used for domestic mailings of Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

**Certificate of Mailing or Transmission**

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (703) 746-4000, on the date indicated below.

|                  |                    |
|------------------|--------------------|
| Zoe Huang        | (Depositor's name) |
| <i>Zoe Huang</i> | (Signature)        |
| 2005/3/10        | (Date)             |

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
|-----------------|-------------|----------------------|---------------------|------------------|

|            |            |               |             |      |
|------------|------------|---------------|-------------|------|
| 10/707,221 | 11/27/2003 | Jing-Hong Gau | NAUP0550USA | 1220 |
|------------|------------|---------------|-------------|------|

TITLE OF INVENTION: JUNCTION VARACTOR WITH HIGH Q FACTOR AND WIDE TUNING RANGE 03/16/2006 HBEYENE2 00000032 503105 10707221

01 FC:1501 1400.00 DA

| APPLN. TYPE    | SMALL ENTITY | ISSUE FEE | PUBLICATION FEE | TOTAL FEE(S) DUE | DATE DUE   |
|----------------|--------------|-----------|-----------------|------------------|------------|
| nonprovisional | NO           | \$1400    | \$300           | \$1700           | 03/14/2005 |

| EXAMINER       | ART UNIT | CLASS-SUBCLASS |
|----------------|----------|----------------|
| FENTY, JESSE A | 2815     | 257-595000     |

Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Winston Hsu

2 \_\_\_\_\_

3 \_\_\_\_\_

ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

UNITED MICROELECTRONICS CORP.

No.3, Li-Hsin Road 2, Science-Based Industrial Park, Hsin-Chu City,  
Taiwan, R.O.C.

Check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

The following fee(s) are enclosed:

- ☒ Issue Fee
- ☒ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies \_\_\_\_\_

4b. Payment of Fee(s):

- ☐ A check in the amount of the fee(s) is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☒ The Director is hereby authorized to charge the required fee(s), or credit any overpayment Deposit Account Number 50-3105 (enclose an extra copy of this form).

Change in Entity Status (from status indicated above)

☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party as shown by the records of the United States Patent and Trademark Office.

Authorized Signature Winston Hsu

Date 3/10/2005

Typed or printed name Winston Hsu

Registration No. 41,526

A collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete the form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

5 Applicants: Jing-Horng Gau et al.

Serial No.: 10/707,221 Filing Date: 11/27/2003

Examiner: FENTY, JESSE A Art Unit: 2815

Docket No.: NAUP0550USA

10 Title: JUNCTION VARACTOR WITH HIGH Q FACTOR AND WIDE  
TUNING RANGE

To: Commissioner for Patents

P.O. BOX 1450

15 Alexandria, VA 22313-1450

Subject: Status Inquiry

Dear Sir,

20

The applicant submitted a request for deduction on  
03/30/2005 (Attachment 1). That is a request to deduct the  
issue fee \$1400. Since the applicant made a response to the  
Notice of Allowance of the above-identified application and  
25 authorized the USPTO to deduct the issue fee \$1400 and  
publication fee \$300 from the Deposit Account No. 50-3105 on  
03/10/2005, the USPTO only deducted the publication fee \$300.  
After submitting this request, the applicant recently found  
that the USPTO did not deduct the issue fee \$1400 so far.

30

Please deduct the issue fee \$1400 from the Deposit Account  
No. 50-3105 as soon as possible. Your quick response will be

greatly appreciated.

Respectfully submitted,

5 Winston Hsu

Date: 05/12/2006

Winston Hsu, Patent Agent No. 41,526

P.O. BOX 506, Merrifield, VA 22116, U.S.A.

Voice Mail: 302-729-1562

10 Facsimile: 806-498-6673

e-mail: winstonhsu@naipo.com

Note: Please leave a message in my voice mail if you need to  
talk to me. The time in D.C. is 12 hours behind the Taiwan  
15 time, i.e. 9 AM in D.C. = 9 PM in Taiwan)



Attachment 1

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Jing-Horng Gau et al.

5 Examiner: FENTY, JESSE A

Filing Date: 11/27/2003

Art Unit: 2815

Serial No.: 10/707,221

Docket No.: NAUP0550USA

10 Title: JUNCTION VARACTOR WITH HIGH Q FACTOR AND  
WIDE TUNING RANGE

To: Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

15 Subject: Request for Deduction

Dear Sir,

20 The applicant made a response to the Notice of allowance dated 12/13/2004 and  
authorized the USPTO to charge the issue fee \$1400 and publication fee \$300 from  
the deposit account no. 50-3105 (Attachment 1) on 3/10/2005. But the USPTO only  
deducted the publication fee \$300 on 3/10/2005 so far (Attachment 2). Please deduct  
the balance fee \$1400 from the deposit account no. 50-3105 and issue the patent as  
25 soon as possible. Thank you.

30

Sincerely yours,

Winston Hsu

5

Date: MAR 30 2005

Winston Hsu, Patent Agent No.41,526

P.O. BOX 506, Merrifield, VA 22116, U.S.A.

Voice mail: 302-729-1562

Facsimile: 806-498-6673

10 e-mail: winstonhsu@naipo.com

(Note: Please leave a message in my voice mail if you need to talk to me. The time difference between D.C. and Taiwan is 13 hours. The preferred time period for telephone conversation is 7 AM (or earlier) – 11 AM, D.C. time.)



## Deposit Account Statement

第 4 頁，共 8 頁

|           |          |              |      |              |             |
|-----------|----------|--------------|------|--------------|-------------|
| 03/08 219 | 10906805 | CHEP0043USA  | 2201 | \$100.00     | \$11,068.00 |
| 03/09 2   | 29210939 |              | 8021 | \$40.00      | \$11,028.00 |
| 03/09 20  | PAYMENT  |              | 9203 | -\$15,345.00 | \$26,373.00 |
| 03/09 57  | 6287134  | MICP0006USA  | 1551 | \$900.00     | \$25,473.00 |
| 03/09 74  | 10906841 | REAP0182USA  | 1011 | \$300.00     | \$25,173.00 |
| 03/09 75  | 10906841 | REAP0182USA  | 8021 | \$40.00      | \$25,133.00 |
| 03/09 76  | 10906841 | REAP0182USA  | 1311 | \$200.00     | \$24,933.00 |
| 03/09 77  | 10906841 | REAP0182USA  | 1111 | \$500.00     | \$24,433.00 |
| 03/09 235 | 60522141 | IFTP0021USA  | 8007 | \$80.00      | \$24,353.00 |
| 03/09 237 | 10906137 | MTKP0198USA  | 8007 | \$40.00      | \$24,313.00 |
| 03/09 239 | 29221642 | LTCP0001USA  | 8007 | \$20.00      | \$24,293.00 |
| 03/10 1   | 10605965 | OTMP0056USA  | 1501 | \$1,400.00   | \$22,893.00 |
| 03/10 2   | 10709428 | FTCP0035USA  | 2201 | \$100.00     | \$22,793.00 |
| 03/10 2   | 10605965 | OTMP0056USA  | 1504 | \$300.00     | \$22,493.00 |
| 03/10 3   | 10709428 | FTCP0035USA  | 2202 | \$150.00     | \$22,343.00 |
| 03/10 3   | 10065047 | MTKP0021USA  | 1501 | \$1,400.00   | \$20,943.00 |
| 03/10 4   | 10065047 | MTKP0021USA  | 1504 | \$300.00     | \$20,643.00 |
| 03/10 5   | 09683846 | ALIP0001USA  | 1501 | \$1,400.00   | \$19,243.00 |
| 03/10 6   | 09683846 | ALIP0001USA  | 1504 | \$300.00     | \$18,943.00 |
| 03/10 7   | 10605271 | ACMP0121USA  | 1501 | \$1,400.00   | \$17,543.00 |
| 03/10 8   | 10605271 | ACMP0121USA  | 1504 | \$300.00     | \$17,243.00 |
| 03/10 9   | 10063448 | ACMP0014USA  | 1501 | \$1,400.00   | \$15,843.00 |
| 03/10 10  | 10063448 | ACMP0014USA  | 1504 | \$300.00     | \$15,543.00 |
| 03/10 11  | PAYMENT  |              | 9203 | -\$20,900.00 | \$36,443.00 |
| 03/10 33  | 10249584 | ADIP0052USA  | 1501 | \$1,400.00   | \$35,043.00 |
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| 03/10 36  | 10707215 | NAUP0536USA  | 1504 | \$300.00     | \$33,043.00 |
| 03/10 37  | 10605014 | ADTP0098USA  | 1501 | \$1,400.00   | \$31,643.00 |
| 03/10 38  | 10605014 | ADTP0098USA  | 1504 | \$300.00     | \$31,343.00 |
| 03/10 39  | 10250122 | TOPP0013USA  | 1501 | \$1,400.00   | \$29,943.00 |
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| 03/10 41  | 10063441 | VIAP0024USA1 | 1501 | \$1,400.00   | \$28,243.00 |
| 03/10 42  | 10063441 | VIAP0024USA1 | 1504 | \$300.00     | \$27,943.00 |
| 03/10 54  | 10707221 | NAUP0550USA  | 1504 | \$300.00     | \$27,643.00 |
| 03/10 61  | 10906866 | ACMP0253USA  | 1011 | \$300.00     | \$27,343.00 |
| 03/10 62  | 10906866 | ACMP0253USA  | 8021 | \$40.00      | \$27,303.00 |
| 03/10 63  | 10906866 | ACMP0253USA  | 1311 | \$200.00     | \$27,103.00 |
| 03/10 64  | 10906866 | ACMP0253USA  | 1111 | \$500.00     | \$26,603.00 |
| 03/10 65  | 10906867 | JEMP0002USA  | 4011 | \$75.00      | \$26,528.00 |
| 03/10 66  | 10906867 | JEMP0002USA  | 8021 | \$40.00      | \$26,488.00 |
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| 03/10 68  | 10906867 | JEMP0002USA  | 2111 | \$250.00     | \$26,138.00 |
| 03/10 69  | 10906868 | JEMP0003USA  | 4011 | \$75.00      | \$26,063.00 |
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| 03/10 71  | 10906868 | JEMP0003USA  | 8021 | \$40.00      | \$25,648.00 |
| 03/10 72  | 10906868 | JEMP0003USA  | 2311 | \$100.00     | \$25,548.00 |
| 03/10 73  | 10906868 | JEMP0003USA  | 2111 | \$250.00     | \$25,298.00 |
| 03/10 74  | 10906869 | VIAP0141USA  | 1011 | \$300.00     | \$24,998.00 |
| 03/10 75  | 10906869 | VIAP0141USA  | 8021 | \$40.00      | \$24,958.00 |
| 03/10 76  | 10906869 | VIAP0141USA  | 1311 | \$200.00     | \$24,758.00 |